

What is claimed is:

1. A toner comprising toner particles, each of the toner particles comprising at least a binder resin comprising a polyester resin as a main component, a wax, and a colorant,

5 wherein in case of measuring a wettability of the toner with respect to a mixed solvent of methanol and water in terms of an optical transmittance at an optical wavelength of 780 nm, a methanol concentration of the mixed solvent is in a range of 45 to 65% by volume when the optical transmittance is 80%, and a methanol
10 concentration of the mixed solvent is in a range of 45 to 65% by volume when the optical transmittance is 10%;

a melt index (MI) of the toner measured at a temperature of 125°C and a load of 5 kg is in a range of 0.1 to 10 g/10 min;

the toner comprises a resin component insoluble to
15 tetrahydrofuran (THF insoluble component) in an amount of 5 to 40% by mass based on a mass of the binder resin; and

the toner comprises a tetrahydrofuran soluble component, and in case of measuring the tetrahydrofuran soluble component by gel permeation chromatography, a main peak is in a molecular
20 weight region of 3,000 to 20,000, and a proportion of a component having a molecular weight of 10,000 or less in the tetrahydrofuran soluble component is 50% by mass or more in a chromatogram of the gel permeation chromatography.

25 2. The toner according to claim 1, wherein the polyester resin comprises (i) a low molecular weight polyester component having a main peak of molecular weight of the tetrahydrofuran

soluble component being in the range of 3,000 to 20,000 and having 0 to 3% by mass of tetrahydrofuran insoluble component, and (ii) a cross-linked polyester component having 10 to 60% by mass of the tetrahydrofuran insoluble component; and the mass ratio of the cross-linked polyester component and the low molecular weight polyester component is in a range of 10:90 to 90:10.

3. The toner according to claim 2, wherein a melt index (MI) of the cross-linked polyester component is in a range of 0.1 to 10 g/10 min, at a temperature of 190°C and a load of 10 kg.

4. The toner according to claim 2, wherein the cross-linked polyester component comprises a polycarboxylic acid with 3 or more carboxyl groups and a polyhydric alcohol with 3 or more hydroxyl groups as monomer components of the cross-linked polyester component.

5. The toner according to claim 4, wherein the polyhydric alcohol with 3 or more hydroxyl groups is oxyalkylene ether of novolak type phenolic resin, and the polycarboxylic acid with 3 or more carboxyl groups is trimellitic acid or trimellitic anhydride.

6. The toner according to claim 1, wherein each of the toner particles comprises, based on 100 parts by mass of the binder resin, 0.1 to 5 parts by mass of an aromatic hydroxycarboxylic acid compound which has aluminum and 0.1 to 10 parts by mass of a monoazo iron

compound.

7. The toner according to claim 1, wherein each of the toner particles comprises 30 to 200 parts by mass of a magnetic material
5 based on 100 parts by mass of the binder resin.

8. The toner according to claim 7, wherein an isoelectric point of the magnetic material is in a range of pH 5 to 9, which is obtained from a zeta potential, and a solubility parameter of
10 the wax (SP value) is 9 or less.

9. The toner according to claim 1, wherein the methanol concentration of the mixed solvent is in a range of 50% by volume or more and less than 65% by volume when the optical transmittance
15 is 80%, and the methanol concentration of the mixed solvent is in a range of 50% by volume or more and less than 65% by volume when the optical transmittance is 10%.

10. The toner according to claim 1, a Carr's floodability
20 index of the toner is greater than 80, and a Carr's fluidity index of the toner is greater than 60.

11. The toner according to claim 1, further comprising at least a hydrophobic fine powder of silica which becomes charged
25 to a same polarity as a polarity of the toner, and a fine particle aggregate having 20 to 90% by mass of one of silicone oil and silicone varnish.

12. The toner according to claim 1, further comprising at least a hydrophobic fine powder of silica which becomes charged to a same polarity as a polarity of the toner, a fine particle
5 aggregate having 20 to 90% by mass of one of silicone oil and silicone varnish, and a resin fine particle and a metal oxide that each of them becomes charged to an opposite polarity to a polarity of the toner.